

CLAIM AMENDMENTS:

1-3. (cancelled)

4. (currently amended) A method of controlling communications among a plurality of electronic devices which communicate by using ~~at least one of~~ a plurality of different communication protocols, comprising steps of:

connecting the electronic devices through a multiplex transmission serial communication line which supports communications by the plurality of different ~~frame formats~~ communication protocols; and

allocating ~~a~~ frame formats ~~having a respective~~ of different header lengths respectively to ~~each~~ of the plurality of different communication protocols ~~used among the relative electronic devices so that the different communication protocols are respectively identified by the header lengths of the frame formats, thereby enabling coexistence of communications among the electronic devices by the plurality of different communication protocols on the multiplex transmission serial communication line; and~~

~~identifying the different communication protocols in communications on the multiplex transmission serial communication line respectively by the header lengths of the frame formats to enable coexistence of communications by the plurality of different communication protocols on the multiplex transmission serial communication line.~~

5. (currently amended) A construction machine including a plurality of communication-networked electronic devices which communicate by using at least one of a plurality of different communication protocols, the different communication protocols respectively having frame formats with different header lengths, wherein:

the electronic devices are connected through a multiplex transmission serial communication line which supports the plurality of different communication protocols; and

~~a frame format having a respective different header length is allocated to each of the different communication protocols used among the plurality of electronic devices; and~~

an electronic circuit is provided, which respectively allocates the frame formats with different header lengths to the different communication protocols and respectively identifies the different communication protocols in communication on the multiplex transmission serial communication line by the different header lengths of the frame formats, thereby enabling coexistence of communications among the electronic devices by the plurality of different communication protocols on the multiplex transmission serial communication line.

6. (currently amended) An electronic circuit in a construction machine including a plurality of communication-networked electronic devices which

communicate by using ~~at least one of~~ a plurality of different communication protocols, the different communication protocols respectively having file formats with different header lengths, wherein:

the electronic devices are connected through a multiplex transmission serial communication line which supports communications by the plurality of different communication protocols; and

means are provided for respectively allocating the frame formats with different header lengths to the different communication protocols and for respectively identifying the different communication protocols by the header lengths of the frame formats, thereby enabling coexistence of communications among the electronic devices by the plurality of different communication protocols on the multiplex transmission serial communication line

~~a frame format having a respective different header length is allocated to each of the different communication protocols used among the plurality of electronic devices; and~~

~~the different communication protocols in communications on the multiplex transmission serial communication line are identified respectively by the header lengths of the frame formats to enable coexistence of communications by the plurality of different communication protocols on the multiplex transmission serial communication line.~~